



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Michael NAHUM et al.

Group Art Unit: 2882

Application No.: 09/731,671

Examiner: C. C. G. Kao

Filed: December 8, 2000

Docket No.: 106539

For: SYSTEM AND METHODS FOR HIGH-ACCURACY DISPLACEMENT
DETERMINATION IN A CORRELATION BASED POSITION TRANSDUCER

**CONFIRMATION OF TELEPHONE INTERVIEW
AND EXAMINER'S AMENDMENT**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

During a November 8, 2004 telephone interview, Examiner Kao stated that the claims as presented in the September 10, 2004 Amendment are in condition for allowance except for informalities with respect to claims 1, 22, 33, 41, 44, 46, 50-52 and 54. In particular, Examiner Kao requested authorization to amend these claims as follows:

1. A method for estimating a displacement of a second image acquired by a sensing device relative to a first image acquired by the sensing device, the method comprising:

determining a set of image-dependent correlation function value points indicative of a correlation function extremum, each image-dependent correlation function value point based at least partially on a pattern of image values included in both the first image and the second image, each image-dependent correlation function value point further based on a respective known spatial translation of the image values in the second image relative to the image values in the first image; and